

FORM PTO-1449

ATTY. DOCKET NO.  
0609.4810002/TJS/FRCAPPLICATION NO.  
10/643,226APPLICANT  
Bush et al.FILING DATE  
August 19, 2003GROUP  
~~1614~~ 1649

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
AD	AA1	5,242,932	09/07/1993	Gandy et al.			12/17/1991
AD	AB1	5,373,021	12/13/1994	Marangos			04/26/1993
AD	AC1	5,357,636	10/25/1994	Dresdner, Jr. et al.			06/30/1992
AD	AD1	5,523,295	06/04/1996	Fasman			07/06/1994
AD	AE1	5,688,516	11/18/1997	Raad et al.			10/03/1994
AD	AF1	5,688,651	11/18/1997	Solomon			12/16/1994
AD	AG1	5,705,401	01/06/1998	Masters et al.			09/16/1994
AD	AH1	5,707,821	01/13/1998	Rydel et al.			06/07/1995
AD	AI1	5,721,106	02/24/1998	Maggio et al.			09/12/1994
AD	AJ1	5,927,283	07/27/1999	Abraham et al.			05/08/1997
AD	AK1	5,110,493	05/05/1992	Cherng-Chyi et al.			12/07/1990

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
AD	AL1	WO 92/18111	10/29/1992	WIPO			Yes No
AD	AM1	WO 93/10459	05/27/1993	WIPO			Yes No
AD	AN1	WO 93/24451	12/09/1993	WIPO			Yes No
AD	AO1	WO 94/04167	03/03/1994	WIPO			Yes No
AD	AP1	WO 95/31199	11/23/1995	WIPO			Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AD	AR	1	Assaf, S.Y., and Chung, S.-H., "Release of endogenous Zn <sup>2+</sup> from brain tissue during activity," Nature 308:734-736, Nature Publishing Co. (1984).
AD	AS	1	Atwood, C.S., et al., "Copper-Mediated Aggregation and Polymerization of A $\beta$ ," Soc. Neurosci. Abstr. 23:1883, Society for Neuroscience (1997).
AD	AT	1	Atwood, C.S., et al., "Dramatic aggregation of Alzheimer abeta by Cu(II) is induced by conditions representing physiological acidosis," J. Biol. Chem. 273:12817-12826, American Society for Biochemistry and Molecular Biology (May 1998).

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AD [Signature]

DATE CONSIDERED 4/25/06

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
	APPLICANT Bush et al.	
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
AD	AA2	5,466,680	11/14/1995	Rudy			03/26/1992
AD	AB2	6,001,852	12/14/1999	Gerolymatos			02/13/1998
AD	AC2	5,994,323	11/30/1999	Gerolymatos			02/13/1998
AD	AD2	5,980,914	11/09/1999	Gerolymatos			02/13/1998
AD	AE2	4,419,365	12/06/1983	McLachlan, D.R.			12/21/1981
AD	AF2	5,310,936	05/10/1994	Regtop et al.			01/15/1992
AD	AG2	2002/0025944 A1	02/28/2002	Bush et al.			10/10/2001
AD	AH2	2002/0082273 A1	06/27/2002	Bush et al.			09/21/2001
AD	AI2	6,323,218 B1	11/27/2001	Bush et al.			03/11/1998
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
AD	AL2	WO 96/07096	03/07/1996	WIPO			Yes No
AD	AM2	WO 96/12544	05/02/1996	WIPO			Yes No
AD	AN2	WO 96/28471	09/19/1996	WIPO			Yes No
AD	AO2	WO 97/04794	02/13/1997	WIPO			Yes No
AD	AP2	WO 97/09976	03/20/1997	WIPO			Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AD	AR	2	Bacon, P.A., et al., "Rheumatoid Disease, Amyloidosis and its Treatment with Penicillamine," Eur. J. Rheum. Inflamm. 2:70-74, Cameron Publishers (1979).
AD	AS	2	Barrow, C.J., and Zagorski, M.G., "Solution Structures of $\beta$ Peptide and Its Constituent Fragments: Relation to Amyloid Deposition," Science 253:179-182, American Association for the Advancement of Science (1991).
AD	AT	2	Barrow, C.J., et al., "Solution Conformations and Aggregational Properties of Synthetic Amyloid $\beta$ -Peptides of Alzheimer's Disease," J. Mol. Biol. 225:1075-1093, Academic Press (1992).

EXAMINER AD <i>A. D. Bush</i>	DATE CONSIDERED 4/25/06
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
A1	AL3	WO 97/36885	10/09/1997	WIPO			Yes No
A0	AM3	WO 98/06403	02/19/1998	WIPO			Yes No
A1	AN3	WO 98/40071	09/17/1998	WIPO			Yes No
A2	AO3	WO 99/09981	03/04/1999	WIPO			Yes No
A3	AP3	WO 99/18432	04/15/1999	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
A2	AR	3	Basun, H., et al., "Metals and trace elements in plasma and cerebrospinal fluid in normal aging and Alzheimer's disease," J. Neural Transm. [P-D Sect.] 3:231-258, Springer-Verlag (1991). 4
A2	AS	3	Beal, M. F., "Energy, Oxidative Damage, and Alzheimer's Disease: Clues to the Underlying Puzzle," Neurobiol. Aging 15:S171-S174, Pergamon Press (1994).
A2	AT	3	Behl, C., et al., "Hydrogen Peroxide Mediates Amyloid $\beta$ Protein Toxicity," Cell 77:817-827, Cell Press (1994).

EXAMINER	<u>AD</u> <u>D. Dwyer</u>	DATE CONSIDERED	8/25/06
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
AD	AL4	DE 40 04 978 A1	08/22/1991	Germany			Yes X No
AD	AM4	WO 94/27594	12/08/1994	WIPO			Yes No
AD	AN4	WO 96/39144	12/12/1996	WIPO			Yes No
AD	AO4	WO 97/01559	01/16/1997	WIPO			Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AD	AR	4	Biaglow, J.E., and Kachur, A.V., "The Generation of Hydroxyl Radicals in the Reaction of Molecular Oxygen with Polyphosphate Complexes of Ferrous Ion," Radiation Res. 148:181-187, Kluge Carden Jennnings Pub. Co. (August 1997).
AD	AS	4	Boado, R.J., et al., "Drug Delivery of Antisense Molecules to the Brain for Treatment of Alzheimer's Disease and Cerebral AIDS," J. Pharm. Sci. 87(11):1308-1315, American Pharmaceutical Association (November 1998).
AD	AT	4	Borman, S., "Diverse Strategies Emerge For Diagnosing Alzheimer's Disease," Chem. Eng. News 272:33-34, American Chemical Society (1996).

EXAMINER	AD <i>A. J. Bush</i>	DATE CONSIDERED	4/25/06
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
<i>AD</i>	AR	<u>5</u>	Brown, D.R., et al., "Normal prion protein has an activity like that of superoxide dismutase," <i>Biochem. J.</i> 344:1-5, Biochemical Society/Portland Press (November 1999).				
<i>AD</i>	AS	<u>5</u>	Bruce, A.J., et al., " $\beta$ -Amyloid toxicity in organotypic hippocampal cultures: Protection by EUK-8, a synthetic catalytic free radical scavenger," <i>Proc. Natl. Acad. Sci. USA</i> 93:2312-2316, National Academy of Sciences (March 1996).				
<i>AD</i>	AT	<u>5</u>	Bruijn, L.I., et al., "ALS-Linked SOD1 Mutant G85R Mediates Damage to Astrocytes and Promotes Rapidly Progressive Disease with SOD1-Containing Inclusions," <i>Neuron</i> 18:327-338, Cell Press (February 1997).				

EXAMINER <i>AD</i> <i>A. Dub</i>	DATE CONSIDERED <i>4/25/06</i>
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
AD	AR	6	Burdick, D., et al., "Assembly and Aggregation Properties of Synthetic Alzheimer's A4/β Amyloid Peptide Analogs," J. Biol. Chem. 267:546-554, American Society for Biochemistry and Molecular Biology (1992).				
AD	AS	6	Burns, J.A., et al., "Selective Reduction of Disulfides by Tris(2-carboxyethyl)phosphine," J. Org. Chem. 56:2648-2650, American Chemical Society (1991).				
AD	AT	6	Busciglio, J., and Yankner, B.A., "Apoptosis and increased generation of reactive oxygen species in Down's Syndrome neurons in vitro," Nature 378:776-779, Nature Publishing Co. (1995).				

EXAMINER	AD [Signature]	DATE CONSIDERED	4/28/06
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FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
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U.S. PATENT DOCUMENTS							
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AD	AR	2	Bush, A.I., et al., "A Novel Zinc(II) Binding Site Modulates the Function of the $\beta$ A4 Amyloid Protein Precursor of Alzheimer's Disease," <i>J. Biol. Chem.</i> 268:16109-16112, American Society for Biochemistry and Molecular Biology (1993).
AD	AS	2	Bush, A.I., et al., "Alzheimer A $\beta$ functions as a superoxide antioxidant in vitro and in vivo," <i>Soc. Neurosci. Abstr.</i> 25:14, Society for Neuroscience (October 1999).
AD	AT	2	Bush, A.I., et al., "Modulation of A $\beta$ Adhesiveness and Secretase Site Cleavage by Zinc," <i>J. Biol. Chem.</i> 269:12152-12158, American Society for Biochemistry and Molecular Biology (1994).

EXAMINER	AD	DATE CONSIDERED	4/25/04
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	APPLICANT Bush et al.	
	FILING DATE August 19, 2003	GROUP 1614 <i>1645</i>

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
<i>AD</i>	AR	<u>8</u>	Bush, A.I., et al., "The Amyloid $\beta$ -Protein Precursor and Its Mammalian Homologues," <i>J. Biol. Chem.</i> 269:26618-26621, American Society for Biochemistry and Molecular Biology (1994).
<i>AD</i>	AS	<u>8</u>	Bush, A.I., et al., "Rapid Induction of Alzheimer A $\beta$ Amyloid Formation by Zinc," <i>Science</i> 265:1464-1467, American Association for the Advancement of Science (1994).
<i>AD</i>	AT	<u>8</u>	Bush, A.I., et al., "Response to Zinc and Alzheimer's Disease," <i>Science</i> 268:1920-1923, American Association for the Advancement of Science (1995).

EXAMINER <i>AD</i> <i>AD</i>	DATE CONSIDERED <i>4/28/06</i>
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
<i>AD</i>	AR	2	Butterfield, D.A., et al., " $\beta$ -Amyloid Peptide Free Radical Fragments Initiate Synaptosomal Lipoperoxidation in a Sequence-Specific Fashion: Implications to Alzheimer's Disease," <i>Biochem. Biophys. Res. Commun.</i> 200:710-715, Academic Press (1994).
<i>AD</i>	AS	2	Butterfield, D.A., et al., "A $\beta$ (25-35) Peptide Displays H <sub>2</sub> O <sub>2</sub> -Like Reactivity Towards Aqueous Fe <sup>2+</sup> , Nitroxide Spin Probes, and Synaptosomal Membrane Proteins," <i>Life Sci.</i> 58:217-228, Pergamon Press (1996).
<i>AD</i>	AT	2	Ceballos-Picot, I., et al., "Peripheral Antioxidant Enzyme Activities And Selenium In Elderly Subjects And In Dementia Of Alzheimer's Type-Place Of The Extracellular Glutathione Peroxidase," <i>Free Radic. Biol. Med.</i> 20:579-587, Elsevier Science (1996).

EXAMINER <i>AD</i> <i>[Signature]</i>	DATE CONSIDERED <i>9/25/06</i>
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U.S. PATENT DOCUMENTS							
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AD	AR	10	Chan, C.-W., et al., "Anti-apoptotic action of Alzheimer A $\beta$ ," <i>Alzheimer's Reports</i> 2:113-119, MSJ (March 1999).
AS	AS	10	Cherny, R.A., et al., "The Aggregation of A $\beta$ in Human Brain is Mediated by Zinc," <i>Soc. for Neurosci. Abstracts</i> 23:534, Society for Neuroscience (1997).
AT	AT	10	Cherny, R.A., et al., "Aqueous Dissolution of Alzheimer's Disease A $\beta$ Amyloid Deposits by Biometal Depletion," <i>J. Biol. Chem.</i> 274:23223-23228, American Society for Biochemistry and Molecular Biology (August 1999).

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	AM						Yes No
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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
AD	AR	11	Chong, Y.-H., and Suh, Y.-H., "Aggregation of amyloid precursor proteins by aluminum in vitro," <i>Brain Res.</i> 670:137-141, Elsevier-North Holland Biomedical Press (1995).				
AD	AS	11	Cohen, A.S., "Amyloidosis," in <i>Arthritis and Allied Conditions- A Textbook of Rheumatology</i> , D.J. McCarty, ed., Lea and Febiger, Philadelphia, pp. 1273-1293 (1989).				
AD	AT	11	Colaco, C.A.L.S., et al., "The role of the Maillard reaction in other pathologies: Alzheimer's disease," <i>Nephrol. Dial. Transplant.</i> 11(Suppl. 5):7-12, Oxford University Press (1996).				

EXAMINER	AD	A. D. Smith	DATE CONSIDERED	9/24/03
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
AD	AR	12	Connor, J.R., et al., "A Histochemical Study of Iron, Transferrin, and Ferritin in Alzheimer's Diseased Brains," J. Neurosci. Res. 31:75-83, Society for Neuroscience (1992).				
AO	AS	12	Connor, J.R., et al., "Ceruloplasmin levels in the human superior temporal gyrus in aging and Alzheimer's disease," Neurosci. Lett. 159:88-90, Elsevier Scientific Publishers (1993).				
AD	AT	12	Coyle, J.T., and Puttfarcken, P., "Oxidative Stress, Glutamate, and Neurodegenerative Disorders," Science 262:689-695, American Association for the Advancement of Science (1993).				

EXAMINER	AD	DATE CONSIDERED	4/18/04
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	AL						Yes No
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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
AD	AR	13	Crapper McLachlan, D.R., et al., "Intramuscular desferrioxamine in patients with Alzheimer's disease," <i>Lancet</i> 337:1304-1308, Lancet Publishing Group (1991).				
AD	AS	13	Cuajungco, M.P., and Lees, G.J., "Zinc and Alzheimer's disease: is there a direct link?" <i>Brain Res. Rev.</i> 23:219-236, Elsevier Science Publishers (April 1997).				
AD	AT	13	Dedman, D.J., et al., "Iron and aluminum in relation to brain ferritin in normal individuals and Alzheimer's-disease and chronic renal-dialysis patients," <i>Biochem J.</i> 287:509-514, Biochemical Society/Portland Press (1992).				

EXAMINER	AD	<i>A. Davis</i>	DATE CONSIDERED	9/25/06
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
	APPLICANT Bush et al.	
	FILING DATE August 19, 2003	GROUP <del>1614</del> 1645

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
AD	AR	14	Deibel, M.A., et al., "Copper, iron, and zinc imbalances in severely degenerated brain regions in Alzheimer's disease: possible relation to oxidative stress," J. Neurol. Sci. 143:137-142, Elsevier (November 1996).				
AD	AS	14	Doré, S., et al., "Insulin-like growth factor I protects and rescues hippocampal neurons against $\beta$ -amyloid- and human amylin-induced toxicity," Proc. Natl. Acad. Sci. USA 94:4772-4777, National Academy of Sciences (April 1997).				
AD	AT	14	Dyrks, T., et al., "Amyloidogenicity of $\beta$ A4 and $\beta$ A4-bearing Amyloid Protein Precursor Fragments by Metal-catalyzed Oxidation," J. Biol. Chem. 267:18210-18217, American Society for Biochemistry and Molecular Biology (1992).				

EXAMINER	AD <i>AD</i>	DATE CONSIDERED	9/25/06
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FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
	APPLICANT Bush et al.	
	FILING DATE August 19, 2003	GROUP <del>1614</del> 1645

U.S. PATENT DOCUMENTS							
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	15	Ehmann, W.D., et al., "Brain Trace Elements in Alzheimer's Disease," NeuroToxicology 7:197-206, Pathotox Publishers (1986).	
AS	15	Esler, W.P., et al., "Zinc-Induced Aggregation of Human and Rat $\beta$ -Amyloid Peptides In Vitro," J. Neurochem. 66:723-732, Blackwell Science (February 1996).	
AT	15	Esler, W.P., et al., "A $\beta$ deposition inhibitor screen using synthetic amyloid," Nat. Biotechnol. 15:258-263, Nature Publishing Co. (March 1997).	

EXAMINER A9 	DATE CONSIDERED 4/25/06
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
	APPLICANT Bush et al.	
	FILING DATE August 19, 2003	GROUP <del>1614</del> 1645

U.S. PATENT DOCUMENTS							
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	16	Fitzgerald, D.J., "Zinc and Alzheimer's Disease," <i>Science</i> 268:1920, American Association for the Advancement of Science (1995).
	AS	16	Folstein, M., "Nutrition and Alzheimer's Disease," <i>Nutrition Reviews</i> 55:23-25, International Life Sciences Institute (January 1997).
	AT	16	Fraser, P.E., et al., "pH-dependent structural transitions of Alzheimer amyloid peptides," <i>Biophys. J.</i> 60:1190-1201, Rockefeller University Press (1991).

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
	APPLICANT Bush et al.	
	FILING DATE August 19, 2003	GROUP <del>1614</del> 1645

U.S. PATENT DOCUMENTS							
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AD	AR	17	Frederikse, P.H., et al., "Oxidative Stress Increases Production of $\beta$ -Amyloid Precursor Protein and $\beta$ -Amyloid ( $A\beta$ ) in Mammalian Lenses, and $A\beta$ Has Toxic Effects on Lens Epithelial Cells," J. Biol. Chem. 271:10169-10174, American Society for Biochemistry and Molecular Biology (April 1996).
AD	AS	17	Frederickson, C.J., "Neurobiology of Zinc and Zinc-Containing Neurons," Int. Rev. Neurobiol. 31:145-238, Academic Press (1989).
AD	AT	17	Frieden, E., "Ceruloplasmin: A Multi-functional Cupro-protein of Vertebrate Plasma," in: Inflammatory Diseases and Copper, Sorenson, J.R.J., ed., Clifton, N.J., Humana Press, pp.159-169 (1982).

EXAMINER	AD <i>A.D.S.</i>	DATE CONSIDERED	9/22/06
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
	APPLICANT Bush et al.	
	FILING DATE August 19, 2003	GROUP <del>1614</del> 1649

U.S. PATENT DOCUMENTS							
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AD	AR	18	Garzon-Rodriguez, W., et al., "Soluble Amyloid A $\beta$ -(1-40) Exists as a Stable Dimer at Low Concentrations," <i>J. Biol. Chem.</i> 272:21037-21044, American Society for Biochemistry and Molecular Biology (August 1997).
AD	AS	18	et al. Giampaolo, V., "Copper and Inflammation," in <i>Inflammatory Diseases and Copper</i> , Sorenson, J.R.J., ed., Clifton, N.J., Humana Press, pp. 329-345 (1982).
AD	AT	18	Giulian, D., et al., "Specific Domains of $\beta$ -Amyloid from Alzheimer Plaque Elicit Neuron Killing in Human Microglia," <i>J. Neurosci.</i> 16:6021-6037, Society for Neuroscience (October 1996).

EXAMINER	AD	DATE CONSIDERED	6/25/06
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
	APPLICANT Bush et al.	
	FILING DATE August 19, 2003	GROUP <del>1614</del> 1648

U.S. PATENT DOCUMENTS							
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
DA	AR	19	Glenner, G.G., and Wong, C.W., "Alzheimer's Disease: Initial Report of the Purification and Characterization of Novel Cerebrovascular Amyloid Protein," Biochem. Biophys. Res. Commun. 120:885-890, Academic Press (1984).				
AD	AS	19	Golde, T.E., et al., "Processing of the Amyloid Protein Precursor to Potentially Amyloidogenic Derivatives," Science 255:728-730, American Association for the Advancement of Science (1992).				
AD	AT	19	Good, P.F., et al., "Selective Accumulation of Aluminum and Iron in the Neurofibrillary Tangles of Alzheimer's Disease: A Laser Microprobe (LAMMA) Study," Ann. Neurol. 31:286-292, Wiley-Liss (1992).				

EXAMINER	AD	DATE CONSIDERED	9/25/06
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
	APPLICANT Bush et al.	
	FILING DATE August 19, 2003	GROUP 1614 1699

U.S. PATENT DOCUMENTS							
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AG	AR	20	Goodman, Y., et al., "Nordihydroguaiaretic acid protects hippocampal neurons against amyloid $\beta$ -peptide toxicity, and attenuates free radical and calcium accumulation," <i>Brain Res.</i> 654:171-176, Elsevier/North-Holland Biomedical Press (1994).
AG	AS	20	Goodman, Y., and Mattson, M.P., "Secreted Forms of $\beta$ -Amyloid Precursor Protein Protect Hippocampal Neurons against Amyloid $\beta$ -Peptide-Induced Oxidative Injury," <i>Exp. Neurol.</i> 128:1-12, Academic Press (1994).
AG	AT	20	Gorevic, P.D., et al., "The Biological Significance of Amyloid," <i>Ann. New York Acad. Sci.</i> 389:380-394, New York Academy of Sciences (1982).

EXAMINER	AG	A. D. Smith	DATE CONSIDERED	4/24/06
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
	APPLICANT Bush et al.	
	FILING DATE August 19, 2003	GROUP <del>1614</del> 1649

U.S. PATENT DOCUMENTS							
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AD	AR	21	Goto, J.J., et al., "Reactions of Hydrogen Peroxide with Familial Amyotrophic Lateral Sclerosis Mutant Human Copper-Zinc Superoxide Dismutases Studied by Pulse Radiolysis," <i>J. Biol. Chem.</i> 273:30104-30109, American Association for the Advancement of Science (November 1998).
AD	AS	21	Grundke-Iqbal, I., et al., "Ferritin is a component of the neuritic (senile) plaque in Alzheimer dementia," <i>Acta Neuropathol.</i> 81:105-110, Springer Verlag (1990).
AD	AT	21	Gutteridge, J.M.C., and Wilkins, S., "Copper Salt-Dependent Hydroxyl Radical Formation Damage to Proteins Acting as Antioxidants," <i>Biochim. Biophys. Acta</i> 759:38-41, Academic Press (1983).

EXAMINER 49 A. Davis	DATE CONSIDERED 4/25/06
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
	APPLICANT Bush et al.	
	FILING DATE August 19, 2003	GROUP 1614 1645

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AD	AR	22	Haass, C., et al., "Amyloid $\beta$ -peptide is produced by cultured cells during normal metabolism," <i>Nature</i> 359:322-325, Nature Publishing Co. (1992).
AD	AS	22	Haley, J.V., "Zinc Sulfate and Wound Healing," <i>J. Surg. Res.</i> 27:168-174, Academic Press (1979).
AD	AT	22	Halliwell, B., and Gutteridge, J.M.C., "Oxygen toxicity, oxygen radicals, transition metals and disease," <i>Biochem. J.</i> 219:1-14, Biochemical Society/Portland Press (1984).

EXAMINER	AD <i>A. Davis</i>	DATE CONSIDERED	4/8/86
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
	APPLICANT Bush et al.	
	FILING DATE August 19, 2003	GROUP 1614 <b>1643</b>

U.S. PATENT DOCUMENTS							
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
<b>AD</b>	AR	<u>23</u>	Halliwell, B., "Reactive Oxygen Species and the Central Nervous System," J. Neurochem. 59:1609-1623, Blackwell Science (1992).
<b>AD</b>	AS	<u>23</u>	Han, J., et al., "Quantitation of Hydrogen Peroxide Using Tris(2-carboxyethyl)phosphine, an Odorless Reducing Agent More Stable and Effective Than Dithiothreitol," Anal. Biochem. 234:107-109, Academic Press (February 1996).
<b>AD</b>	AT	<u>23</u>	Han, J.C., and Han, G.Y., "A Procedure for Quantitative Determination of Tris(2-carboxyethyl)phosphine, an Odorless Reducing Agent More Stable and Effective Than Dithiothreitol," Anal. Biochem. 220:5-10, Academic Press (1994).

EXAMINER <b>AD</b> <i>A. D. Dwyer</i>	DATE CONSIDERED <b>4/8/01</b>
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	APPLICANT Bush et al.	
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U.S. PATENT DOCUMENTS							
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
AD	AR	24	Hansen, M.B., et al., "Re-examination and further development of a precise and rapid dye method for measuring cell growth/cell kill," J. Immunol. Meth. 119:203-210, North-Holland Pub. Co. (1989).				
AD	AS	24	Harman, D., "Aging: A Theory Based on Free Radical and Radiation Chemistry," J. Gerontology 2:298-300, Gerontological Society of America (1956).				
AD	AT	24	Harris, M.E., et al., "Direct Evidence of Oxidative Injury Produced by the Alzheimer's $\beta$ -Amyloid Peptide (1-40) in Cultured Hippocampal Neurons," Exp. Neurol. 131:193-202, Academic Press (1995).				

EXAMINER	AD	<i>A. D. S.</i>	DATE CONSIDERED	4/6/06
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AD	AR	25	Hensley, K., et al., "A model for beta-amyloid aggregation and neurotoxicity based on free radical generation by the peptide: Relevance to Alzheimer disease," <i>Proc. Natl. Acad. Sci. USA</i> 91:3270-3274, National Academy of Sciences (1994).
AD	AS	25	Hensley, K., et al., "Brain Regional Correspondence Between Alzheimer's Disease Histopathology and Biomarkers of Protein Oxidation," <i>J. Neurochem.</i> 65:2146-2156, Blackwell Science (1995).
AD	AT	25	Hensley, K., et al., "Reactive Oxygen Species as Causal Agents in the Neurotoxicity of the Alzheimer's Disease-Associated Amyloid Beta Peptide," <i>Ann. N.Y. Acad. Sci.</i> 786:120-134, New York Academy of Sciences (June 1996).

EXAMINER AD <i>[Signature]</i>	DATE CONSIDERED 4/27/06
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
	APPLICANT Bush et al.	
	FILING DATE August 19, 2003	GROUP <del>1614</del> 1649

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
AD	AR	26	Hesse, L., et al., "The $\beta$ A4 amyloid precursor protein binding to copper," <i>FEBS Lett.</i> 349:109-116, Federation of European Biochemical Societies (1994).				
AD.	AS	26	Hilbich, C., et al., "Aggregation and Secondary Structure of Synthetic Amyloid $\beta$ A4 Peptides of Alzheimer's Disease," <i>J. Mol. Biol.</i> 218:149-163, Academic Press (1991).				
AD	AT	26	Hilbich, C., et al., "Substitutions of Hydrophobic Amino Acids Reduce the Amyloidogenicity of Alzheimer's Disease $\beta$ A4 Peptides," <i>J. Mol. Biol.</i> 228:460-473, Academic Press (1992).				

EXAMINER AD A. J. J.	DATE CONSIDERED 4/25/04
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
	APPLICANT Bush et al.	
	FILING DATE August 19, 2003	GROUP <del>1614</del> 1649

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AD	AR	27	Hsu, J.M., et al., "Zinc deficiency and incorporation of 14C-labeled methionine into tissue proteins in rats," J. Nutr. 99:425-432, American Institute of Nutrition (1969).
AD	AS	27	Huang, X., et al., "Zinc-induced Alzheimer's A $\beta$ 1-40 Aggregation Is Mediated by Conformational Factors," J. Biol. Chem. 272:26464-26470, American Society for Biochemistry and Molecular Biology (October 1997).
AD	AT	27	Huang, X., et al., "The A $\beta$ Peptide of Alzheimer's Disease Directly Produces Hydrogen Peroxide through Metal Ion Reduction," Biochemistry 38:7609-7616, American Chemical Society (June 1999).

EXAMINER	AD [Signature]	DATE CONSIDERED	9/27/01
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449  <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
	APPLICANT Bush et al.	
	FILING DATE August 19, 2003	GROUP <del>1614</del> 1645

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AA	AR	28	Ida, N., et al., "Analysis of Heterogeneous $\beta$ A4 Peptides in Human Cerebrospinal Fluid and Blood by a Newly Developed Sensitive Western Blot Assay," J. Biol. Chem. 271:22908-22914, American Society for Biochemistry and Molecular Biology (September 1996).
AA	AS	28	Jarrett, J.T., et al., "The Carboxy Terminus of the $\beta$ Amyloid Protein Is Critical for the Seeding of Amyloid Formation: Implications for the Pathogenesis of Alzheimer's Disease," Biochemistry 32:4693-4697, American Chemical Society (1993).
AA	AT	28	Jarrett, J.T., and Lansbury, Jr., P.T., "Amyloid Fibril Formation Requires a Chemically Discriminating Nucleation Event: Studies of an Amyloidogenic Sequence from the Bacterial Protein OsmB," Biochemistry 31:12345-12352, American Chemical Society (1992).

EXAMINER	AA	DATE CONSIDERED	4/8/06
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
	APPLICANT Bush et al.	
	FILING DATE August 19, 2003	GROUP <del>1814</del> 1649

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AD	AR	29	Johnstone, E.M., et al., "Conservation of the sequence of the Alzheimer's disease amyloid peptide in dog, polar bear and five other mammals by cross-species polymerase chain reaction analysis," <i>Mol. Brain Res.</i> 10:299-305, Elsevier Science Publishers (1991).
AD	AS	29	Joshi, J.G., "Iron and Aluminum Homeostasis in Neural Disorders," <i>Environ. Health Persp.</i> 102:207-213, National Institute of Environmental Health Sciences (1994).
AD	AT	29	Kang, J., et al., "The precursor of Alzheimer's disease amyloid A4 protein resembles a cell-surface receptor," <i>Nature</i> 325:733-736, Nature Publishing Co. (1987).

EXAMINER	AD	<i>A. Davis</i>	DATE CONSIDERED	4/28/06
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
	APPLICANT Bush et al.	
	FILING DATE August 19, 2003	GROUP <del>1614</del> 1669

U.S. PATENT DOCUMENTS							
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	30	Kawahara, M., et al., "Alzheimer's Disease Amyloid $\beta$ -Protein Forms Zn <sup>2+</sup> - Sensitive, Cation-Selective Channels Across Excised Membrane Patches from Hypothalamic Neurons," <i>Biophys. J.</i> 73:67-75, Biophysical Society (July 1997).
AS	30	Kennard, M.L., et al., "Serum levels of the iron binding protein p97 are elevated in Alzheimer's disease," <i>Nat. Med.</i> 2:1230-1235, Nature Publishing Co. (November 1996).
AT	30	Kidani, Y., et al., "Mass spectrometry of 5-chloro-7-iodo-8-quinolinol metal chelates," <i>Jpn. Analyst</i> 23:1375-1378, Nippon Bunseki Kagakkai (1974).

EXAMINER	AD A. Duff	DATE CONSIDERED	9/27/06
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
	APPLICANT Bush et al.	
	FILING DATE August 19, 2003	GROUP <del>1614</del> 1649

U.S. PATENT DOCUMENTS							
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	31	Kirschner, D.A., et al., "Synthetic peptide homologous to $\beta$ protein from Alzheimer disease forms amyloid-like fibrils in vitro," <i>Proc. Natl. Acad. Sci. USA</i> 84:6953-6957, National Academy of Sciences (1987).	
AS	31	Kirshenbaum, K., and Daggett, V., "pH-Dependent Conformations of the Amyloid $\beta$ (1-28) Peptide Fragment Explored Using Molecular Dynamics," <i>Biochemistry</i> 34:7629-7639, American Chemical Society (1995).	
AT	31	Kisilevsky, R., "Amyloidosis: A Familiar Problem in the Light of Current Pathogenetic Developments," <i>Lab. Invest.</i> 49:381-390, Lippincott Williams & Wilkins (1983).	

EXAMINER	A9 <i>A. J. Jones</i>	DATE CONSIDERED	4/25/06
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
	APPLICANT Bush et al.	
	FILING DATE August 19, 2003	GROUP <del>1614</del> 1649

U.S. PATENT DOCUMENTS							
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AD	AR	32	Kisilevsky, R., "Inflammation-Associated Amyloidogenesis," <i>Mol. Neurobiol.</i> 8:65-66, Humana Press (1994).
AD	AS	32	Koh, J.Y., and Choi, D.W., "Quantitative determination of glutamate mediated cortical neuronal injury in cell culture by lactate dehydrogenase efflux assay," <i>J. Neurosci. Meth.</i> 20:83-90, Elsevier Science (1987).
AD	AT	32	Kotaki, H., et al., "Intestinal Absorption and Metabolism of Clioquinol in the Rat," <i>J. Pharm. Dyn.</i> 6:881-887, Pharmaceutical Society of Japan (1983).

EXAMINER	AD	<i>A. J. Bush</i>	DATE CONSIDERED	4/27/06
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
	APPLICANT Bush et al.	
	FILING DATE August 19, 2003	GROUP <del>1614</del> 1649

U.S. PATENT DOCUMENTS							
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AD	AR	33	Kuo, Y.-M., et al., "High Levels of Circulating A $\beta$ 42 Are Sequestered by Plasma Proteins in Alzheimer's Disease," <i>Biochem. Biophys. Res. Commun.</i> 257:787-791, Academic Press (April 1999).
AD	AS	33	Kuo, Y.-M., et al., "Water-soluble A $\beta$ (N-40, N-42) Oligomers in Normal and Alzheimer Disease Brains," <i>J. Biol. Chem.</i> 271:4077-4081, American Society of Biochemistry and Molecular Biology (February 1996).
AD	AT	33	Landers, J.W., and Zak, B., "Determination of Serum Copper and Iron in a Single Small Sample," <i>Am. J. Clin. Pathol.</i> 29:590-592, American Society of Clinical Pathologists (1958).

EXAMINER AD <i>A. D.</i>	DATE CONSIDERED 9/25/06
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
	APPLICANT Bush et al.	
	FILING DATE August 19, 2003	GROUP 1614 <b>1649</b>

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<b>AD</b>	AR	<u>34</u>	Lindeman, R.D., et al., "Myocardial zinc metabolism in experimental myocardial infarction," J. Lab. Clin. Med. 81:194-204, Mosby-Year Book (1973).
<b>AD</b>	AS	<u>34</u>	Linert, W., et al., "Dopamine, 6-hydroxydopamine, iron, and dioxygen-their mutual interaction and possible implication in the development of Parkinson's disease," Biochim. Biophys. Acta 1316:160-168, Elsevier Publishing Co. (August 1996).
<b>AD</b>	AT	<u>34</u>	Lockhart, B.P., et al., "Inhibitors of free radical formation fail to attenuate direct beta-amyloid <sub>1-35</sub> peptide-mediated neurotoxicity in rat hippocampal cultures," J. Neurosci. Res. 39:494-505, Wiley Interscience (1994).

EXAMINER <b>AD</b> <i>- A. Dush</i>	DATE CONSIDERED <b>9/28/06</b>
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
	APPLICANT Bush et al.	
	FILING DATE August 19, 2003	GROUP 1614 <i>1649</i>

U.S. PATENT DOCUMENTS							
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>AD</i>	AR	<u>35</u>	Lohr, J.B., "Oxygen Radicals and Neuropsychiatric Illness," Arch. Gen. Psychiatry 48:1097-1106, American Medical Association (1991).
<i>AD</i>	AS	<u>35</u>	Lovell, M.A., et al., "Copper, iron and zinc in Alzheimer's disease senile plaques," J. Neurol. Sci. 158:47-52, Elsevier (June 1998).
<i>AD</i>	AT	<u>35</u>	Maggio, J.E., et al., "Zinc and Alzheimer's Disease," Science 268:1920-1921, American Association for the Advancement of Science (1995).

EXAMINER <i>AD</i> <i>D. Dush</i>	DATE CONSIDERED <i>9/8/05</i>
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
	APPLICANT Bush et al.	
	FILING DATE August 19, 2003	GROUP 1614 <b>1649</b>

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<b>AD</b>	AR	<u>36</u>	Mantyh, P.W., et al., "Aluminum, Iron, and Zinc Ions Promote Aggregation of Physiological Concentrations of $\beta$ -Amyloid Peptide," <i>J. Neurochem.</i> 61:1171-1174, Blackwell Science (1993).
<b>AD</b>	AS	<u>36</u>	Markesbery, W.R., and Ehmann, W.D., "Brain Trace Elements in Alzheimer Disease," Chapter 22 in <i>Alzheimer Disease</i> , Terry, R.D. et al., eds., Raven Press, Ltd., New York (1994). <b>pg 353-367</b>
<b>AD</b>	AT	<u>36</u>	Markesbery, W.R., "Oxidative Stress Hypothesis in Alzheimer's Disease," <i>Free Rad. Biol. Med.</i> 23:134-147, Elsevier Science (1997).

EXAMINER <b>AD</b> <i>A. D.</i>	DATE CONSIDERED <b>4/29/06</b>
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
	APPLICANT Bush et al.	
	FILING DATE August 19, 2003	GROUP <del>#614</del> 1649

U.S. PATENT DOCUMENTS							
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AD	AR	37	Martins, R.N., et al., "Increased Cerebral Glucose-6-Phosphate Dehydrogenase Activity in Alzheimer's Disease May Reflect Oxidative Stress," <i>J. Neurochem.</i> 46:1042-1045, Blackwell Science (1986).
AD	AS	37	Masters, C.L., et al., "Amyloid plaque core protein in Alzheimer disease and Down syndrome," <i>Proc. Natl. Acad. Sci. USA</i> 82:4245-4249, National Academy of Sciences (1985).
AD	AT	37	Masters, C.L., et al., "Neuronal origin of a cerebral amyloid: neurofibrillary tangles of Alzheimer's disease contain the same protein as the amyloid of plaque cores and blood vessels," <i>EMBO J.</i> 4:2757-2763, European Molecular Biology Organization (1985).

EXAMINER	AD A. Davis	DATE CONSIDERED	7/2/06
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
	APPLICANT Bush et al.	
	FILING DATE August 19, 2003	GROUP 1614 <i>164g</i>

U.S. PATENT DOCUMENTS							
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
<i>AD</i>	AR	<u>38</u>	Maury, C.P.J., "Biology of Disease: Molecular Pathogenesis of $\beta$ -Amyloidosis in Alzheimer's Disease And Other Cerebral Amyloidoses," Lab. Invest. 72:4-16, Lippincott Williams & Wilkins (1995).
<i>AD</i>	AS	<u>38</u>	McGeer, P.L., and McGeer, E.G., "The inflammatory response system of brain: implications for therapy of Alzheimer and other neurodegenerative diseases," Brain Res. Rev. 21:195-218, Elsevier Science B.V. (1995).
<i>AD</i>	AT	<u>38</u>	Mecocci, P., et al., "Oxidative Damage to Mitochondrial DNA Shows Marked Age-dependent Increases in Human Brain," Ann. Neurol. 34:609-616, Wiley-Liss (1993).

EXAMINER <i>AD</i> <i>A. Bush</i>	DATE CONSIDERED <i>4/25/06</i>
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
	APPLICANT Bush et al.	
	FILING DATE August 19, 2003	GROUP 1614 <i>1649</i>

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>AD</i>	AR	<u>39</u>	Menkin, V., "Studies on Inflammation. X. The Cytological Picture of an Inflammatory Exudate in Relation to its Hydrogen Ion Concentration," Am. J. Pathol. 10:193-210, American Society for Investigative Pathology (1934).
<i>AD</i>	AS	<u>39</u>	Michikawa, M., et al., "Oxygen Radical-Induced Neurotoxicity in Spinal Cord Neuron Cultures," J. Neurosci. Res. 37:62-70, Wiley Interscience (1994).
<i>AD</i>	AT	<u>39</u>	Milanino, R., et al., "Copper and the Inflammatory Process," Advances in Inflammation Research 1:281-291, Raven Press (1979).

EXAMINER <i>AD</i> <i>AD</i> <i>AD</i>	DATE CONSIDERED <i>9/25/06</i>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.	

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
	APPLICANT Bush et al.	
	FILING DATE August 19, 2003	GROUP <del>1614</del> 1649

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AD	AR	40	Moir, R.D., et al., "Relative Increase in Alzheimer's Disease of Soluble Forms of Cerebral A $\beta$ Amyloid Protein Precursor Containing the Kunitz Protease Inhibitory Domain," <i>J. Biol. Chem.</i> 273:5013-5019, American Society for Biochemistry and Molecular Biology (February 1998).
AD	AS	40	Mok, S.S., et al., "A Novel Metalloprotease in Rat Brain Cleaves the Amyloid Precursor Protein of Alzheimer's Disease Generating Amyloidogenic Fragments," <i>Biochemistry</i> 36:156-163, American Chemical Society (January 1997).
AD	AT	40	Kang, J., et al., "The precursor of Alzheimer's disease amyloid A4 protein resembles a cell-surface receptor," <i>Nature</i> 325:733-736, Nature Publishing Co. (1987).

EXAMINER	AD <i>A. D.</i>	DATE CONSIDERED	9/4/06
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
	APPLICANT Bush et al.	
	FILING DATE August 19, 2003	GROUP 3614 1669

U.S. PATENT DOCUMENTS							
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	41	Multhaup, G., et al., "Interaction between the zinc(II) and the heparin binding site of the Alzheimer's disease $\beta$ A4 amyloid precursor protein (APP)," <i>FEBS Lett.</i> 355:151-154, Federation of European Biochemical Societies (1994).
AS	41	Multhaup, G., et al., "The Amyloid Precursor Protein of Alzheimer's Disease in the Reduction of Copper(II) to Copper(I)," <i>Science</i> 271:1406-1409, American Association for the Advancement of Science (March 1996).
AT	41	Münch, G., et al., "Advanced glycation endproducts in ageing and Alzheimer's disease," <i>Brain Res. Rev.</i> 23:134-143, Elsevier Science B.V. (February 1997).

EXAMINER	40 - J. Dub	DATE CONSIDERED	5/25/06
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
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
	APPLICANT Bush et al.	
	FILING DATE August 19, 2003	GROUP 1614 <b>1649</b>

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>42</u>	Nakada, T., and Kwee, I.L., "Guanidinoethane sulfate: brain pH alkaline shifter," <i>NeuroReport</i> 4:1035-1038, Lippincott Williams & Wilkins (1993).
	AS	<u>42</u>	Nunomura, A., et al., "RNA Oxidation Is a Prominent Feature of Vulnerable Neurons in Alzheimer's Disease," <i>J. Neurosci.</i> 19:1959-1964, Society for Neuroscience (March 1999).
	AT	<u>42</u>	Okada, H., et al., "Effects of Metal-Containing Drugs Taken Simultaneously with Clioquinol Upon Clinical Features of SMON," <i>J. Toxicol. Sci.</i> 9:327-341, Doku Say o Kenkyukai (1984).

EXAMINER <b>AD</b> 	DATE CONSIDERED <b>9/2/06</b>
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
	APPLICANT Bush et al.	
	FILING DATE August 19, 2003	GROUP <del>1614</del> 1649

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AD	AR	43	Owen, C.A., Jr., "Uptake of <sup>67</sup> Cu by Ceruloplasmin In Vitro (38878)," <i>Proc. Soc. Exp. Biol. Med.</i> 149:681-682, Blackwell Science (1975).
AD	AS	43	Padmanabhan, G., et al., "Clioquinol," in <i>Analytical Profiles of Drug Substances</i> , Volume 18, Florey, K., ed., Academic Press, Inc., San Diego, CA, pp. 57-90 (1989).
AD	AT	43	Pepys, M.B., and Baltz, M.L., "Acute Phase Proteins with Special Reference to C-Reactive Protein and Related Proteins (Pentaxins) and Serum Amyloid A Protein," in <i>Advances in Immunology</i> , Vol. 34, pp.141-212, Academic Press (1983).

EXAMINER	AD A. J. J.	DATE CONSIDERED	4/8/06
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
	APPLICANT Bush et al.	
	FILING DATE August 19, 2003	GROUP 1614 1649

U.S. PATENT DOCUMENTS							
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AD	AR	44	Pérez, A.A., et al., "Alzheimer Amyloids A $\beta$ 1-40 and A $\beta$ 1-42 are Differentially Degraded by Insulin Degrading Enzyme (IDE) From Human Brain," Soc. Neurosci. Abstracts 23:821, Society for Neuroscience (1997).
AD	AS	44	Peters, G., and Rodgers, M.A.J., "Single-Electron Transfer from NADH Analogues to Singlet Oxygen," Biochim. Biophys. Acta 637:43-52, Elsevier (1981).
AD	AT	44	Pierce, J.E.S., et al., "Immunohistochemical Characterization of Alterations in the Distribution of Amyloid Precursor Proteins and $\beta$ -Amyloid Peptide after Experimental Brain Injury in the Rat," J. Neurosci. 16:1083-1090, Society for Neuroscience (February 1996).

EXAMINER	AD [Signature]	DATE CONSIDERED	9/28/06
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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
	APPLICANT Bush et al.	
	FILING DATE August 19, 2003	GROUP <del>1614</del> 1649

U.S. PATENT DOCUMENTS							
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AD	AR	45	Potempa, L.A., et al., "Effect of Divalent Metal Ions and pH upon the Binding Reactivity of Human Serum Amyloid P Component, a C-reactive Protein Homologue, for Zymosan," J. Biol. Chem. 260:12142-12147, American Society for Biochemistry and Molecular Biology (1985).
AD	AS	45	Raby, C.A., et al., "Traumatic Brain Injury Increases $\beta$ -Amyloid Peptide 1-42 in Cerebrospinal Fluid," J. Neurochem. 71:2505-2509, Blackwell Science (December 1998).
AD	AT	45	Richardson, J.S., et al., "On the Possible Role of Iron-Induced Free Radical Peroxidation in Neural Degeneration in Alzheimer's Disease," Ann. N.Y. Acad. Sci. 648:326-327, New York Academy of Sciences (1992).

EXAMINER	AD AG A.D.	DATE CONSIDERED	9/5/06
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
	APPLICANT Bush et al.	
	FILING DATE August 19, 2003	GROUP <del>1614</del> 1645

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AD	AR	46	Roberts, G.W., et al., "βA4 amyloid protein deposition in brain after head trauma," Lancet 338:1422-1423, Lancet Press (1991).
AD	AS	46	Robinson, S.R., et al., "Most amyloid plaques contain ferritin-rich cells," Alzheimer's Res. 1:191-196, Rapid Science Publishers (1995).
AD	AT	46	Rogers, J., et al., "Clinical trial of indomethacin in Alzheimer's disease," Neurology 43:1609-1611, Lippincott, Williams & Wilkins (1993).

EXAMINER	AD A-TJS	DATE CONSIDERED	9/19/03
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
	APPLICANT Bush et al.	
	FILING DATE August 19, 2003	GROUP 1614 1649

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AD	AR	47	Roher, A.E., et al., "Morphology and Toxicity of A $\beta$ -(1-42) Dimer Derived from Neuritic and Vascular Amyloid Deposits of Alzheimer's Disease," J. Biol. Chem. 271:20631-20635, American Society for Biochemistry and Molecular Biology (August 1996).
AD	AS	47	Rosen, D., et al., "Mutations in Cu/Zn superoxide dismutase gene are associated with familial amyotrophic lateral sclerosis," Nature 362:59-62, Nature Publishing Co. (1993).
AD	AT	47	Rumble, B., et al., "Amyloid A4 Protein and Its Precursor in Down's Syndrome and Alzheimer's Disease," New Eng. J. Med. 320:1446-1452, Massachusetts Medical Society (1989).

EXAMINER AA A. D. D.	DATE CONSIDERED 9/27/06
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
<i>AD</i>	AR	<u>48</u>	Sadowski, M., et al., "Astrocyte and microglia reaction in Alzheimer's disease in the hippocampal formation- a quantitative analysis," <i>Alzheimer's Res.</i> 1:71-76, Rapid Science Publishers (1995).
<i>AD</i>	AS	<u>48</u>	Sano, M., et al., "A Controlled Trial of Selegiline, Alpha-Tocopherol, or Both as Treatment for Alzheimer's Disease," <i>N. Engl. J. Med.</i> 336:1216-1222, Massachusetts Medical Society (April 1997).
<i>AD</i>	AT	<u>48</u>	Sayre, L.M., "Alzheimer's Precursor Protein and the Use of Bathocuproine for Determining Reduction of Copper(II)," <i>Science</i> 274:1933-1934, American Association for the Advancement of Science (December 1996).

EXAMINER <i>AP</i> <i>D. Davis</i>	DATE CONSIDERED <i>4/28/06</i>
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
	APPLICANT Bush et al.	
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	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	49	Schnabel, J., "New Alzheimer's Therapy Suggested," Science 260:1719-1720, American Association for the Advancement of Science (1993).
AS	49	Schrader-Fischer, G., and Pagaretto, P.A., "Effect of alkalizing agents on the process <sup>ing</sup> of the $\beta$ -amyloid precursor protein," Brain Res. 716:91-100, Elsevier/North-Holland Biomedical Press (April 1996).
AT	49	Schubert, D., and Chevion, M., "The Role of Iron in Beta Amyloid Toxicity," Biochem. Biophys. Res. Commun. 216:702-707, Academic Press (1995).

EXAMINER	AS	DATE CONSIDERED	4/27/06
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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
	APPLICANT Bush et al.	
	FILING DATE August 19, 2003	GROUP <del>1614</del> 1649

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AD	AR	50	Selkoe, D.J., "Cell Biology of the Amyloid $\beta$ -protein Precursor and the Mechanism of Alzheimer's Disease," <i>Ann. Rev. Cell Biol.</i> 10:373-403, Annual Reviews, Inc. (1994).
AD	AS	50	Seubert, P., et al., "Isolation and quantification of soluble Alzheimer's $\beta$ -peptide from biological fluids," <i>Nature</i> 359:325-327, Nature Publishing Co. (1992).
AD	AT	50	Shiraki, H., "Neuropathological aspects of the etiopathogenesis of subacute myelo-optico-neuropathy (SMON)," in <i>Handbook of Clinical Neurology. Intoxications of the Nervous System Part II</i> , Vinken, P.J., and Bruyn, G.W., eds., North-Holland Publishing Company, Amsterdam, Holland, pp.141-198 (1979).

EXAMINER	AD <i>A. Davis</i>	DATE CONSIDERED	9/2/05
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.			

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
	APPLICANT Bush et al.	
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AD	AR	51	Shivers, B.D., et al., "Alzheimer's disease amyloidogenic glycoprotein: expression pattern in rat brain suggests a role in cell contact," <i>EMBO J.</i> 7:1365-1370, European Molecular Biology Organization (1988).
AD	AS	51	Shoji, M., et al., "Production of the Alzheimer Amyloid $\beta$ Protein by Normal Proteolytic Processing," <i>Science</i> 258:126-129, American Association for the Advancement of Science (1992).
AD	AT	51	Sisodia, S.S., et al., "Cellular and molecular biology of Alzheimer's disease and animal models," <i>Neurodegenerative Diseases</i> 5:59-68, Karger (1995).

EXAMINER AD [Signature]	DATE CONSIDERED AD 9/24/03
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	APPLICANT Bush et al.	
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	AP						No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	52	Skinner, M., et al., "Observations on the amyloid-degrading activity of serum and its relationship to human neutrophil elastase," <i>Trans. Assoc. Am. Phys.</i> 96:437-443, William J. Dornan (1983).
A?	AS	52	Smalheiser, N.R., and Swanson, D.R., "Indomethacin and Alzheimer's disease," <i>Neurology</i> 46:583, Lippincott, Williams & Wilkins (February 1996).
Ad	AT	52	2 Anderson, B.H., Smith, C., et al., "The molecular pathology of Alzheimer's disease: are we any closer to understanding the neurodegenerative process?" <i>Neuropathol. Appl. Neurobiol.</i> 20:322-338, Blackwell Scientific Publications (1994).

EXAMINER AD A. Davis	DATE CONSIDERED 4/25/06
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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT				ATTY. DOCKET NO. 0609.4810002/TJS/FRC		APPLICATION NO. 10/643,226	
				APPLICANT Bush et al.			
				FILING DATE August 19, 2003		GROUP <del>1614</del> 1645	
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	AP						Yes
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
AD	AR	53	Smith, M.A., et al., "Radical Ageing in Alzheimer's disease," Trends Neurosci. 18:172-176, Elsevier Applied Science Publishing (1995).				
AD	AS	53	Smith, M. A., et al., "Oxidative damage in Alzheimer's," Nature 382:120-121, Nature Publishing Co. (July 1996).				
AD	AT	53	Smith, M.A., et al., "Iron accumulation in Alzheimer disease is a source of redox-generated free radicals," Proc. Natl. Acad. Sci. USA 94:9866-9868, National Academy of Sciences (September 1997).				
EXAMINER					DATE CONSIDERED		
AD — A. Davis					9/2/06		
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				APPLICANT Bush et al.			
				FILING DATE August 19, 2003		GROUP <del>1614</del> 1649	
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<b>OTHER (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
AD	AR	54	Sobue, I., "Clinical aspects of subacute myelo-optico-neuropathy (SMON)," in <i>Handbook of Clinical Neurology. Intoxications of the Nervous System Part II</i> , Vinken, P.J., and Bruyn, G.W., eds., North-Holland Publishing Company, Amsterdam, Holland, pp.115-139 (1979).				
AD	AS	54	Soto, C., et al., " $\beta$ -sheet breaker peptides inhibit fibrillogenesis in a rat brain model of amyloidosis: Implications for Alzheimer's therapy," <i>Nature Med.</i> 4:822-826, Nature Publishing Co. (July 1998).				
AD	AT	54	Soto, C., et al., "Structural Determinants of the Alzheimer's Amyloid $\beta$ -Peptide," <i>J. Neurochem.</i> 63:1191-1198, Blackwell Science (1994).				
EXAMINER					DATE CONSIDERED		
AD - A. Davis					7/20/03		
<b>EXAMINER:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.							

FORM PTO-1449 <b>INFORMATION DISCLOSURE STATEMENT</b>				ATTY. DOCKET NO. 0609.4810002/TJS/FRC		APPLICATION NO. 10/643,226	
				APPLICANT Bush et al.			
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	AO						Yes No
	AP						Yes No
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
AD	AR	55	Soto, C., et al., "Inhibition of Alzheimer's Amyloidosis by Peptides That Prevent $\beta$ -Sheet Conformation," <i>Biochem. Biophys. Res. Comm.</i> 226:672-680, Academic Press (September 1996).				
AD	AS	55	Stankovic, A., and Mitrovic, D.R., "Aluminum Salts Stimulate Luminol-Enhanced Chemiluminescence Production by Human Neutrophils," <i>Free Rad. Res. Commun.</i> 14:47-55, Harwood Academic Publishers (1991).				
AD	AT	55	Suzuki, N., et al., "An Increased Percentage of Long Amyloid $\beta$ -Protein Secreted by Familial Amyloid $\beta$ -Protein Precursor (BAPP <sub>717</sub> ) Mutants," <i>Science</i> 264:1336-1340, American Association for the Advancement of Science (1994).				
EXAMINER					DATE CONSIDERED		
AD A. J. J.					4/27/06		
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.							

FORM PTO-1449 <b>INFORMATION DISCLOSURE STATEMENT</b>				ATTY. DOCKET NO. 0609.4810002/TJS/FRC		APPLICATION NO. 10/643,226	
				APPLICANT Bush et al.			
				FILING DATE August 19, 2003		GROUP <del>1644</del> 1649	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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<b>FOREIGN PATENT DOCUMENTS</b>							
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	AN						Yes
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	AO						Yes
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	AP						Yes
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<b>OTHER (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
AD	AR	56	Tanzi, R.E., et al., "The Wilson disease gene is a copper transporting ATPase with homology to the Menkes disease gene," <i>Nat. Gen.</i> 5:344-350, Nature Publishing Co. (1993).				
AD	AS	56	Tanzi, R.E., et al., "Amyloid $\beta$ Protein Gene: cDNA, mRNA Distribution, and Genetic Linkage Near the Alzheimer Locus," <i>Science</i> 235:880-884, American Association for the Advancement of Science (1987).				
AD	AT	56	Tamura, Z., "Clinical Chemistry of Clloquinol," <i>Jpn. J. Med. Sci. Biol.</i> 28:69-77, Kokuritsu Yobo Eisei Kenkyujo (1975).				
EXAMINER AD <i>A. D. Bush</i>					DATE CONSIDERED 4/27/06		
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.							



FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
	APPLICANT Bush et al.	
	FILING DATE August 19, 2003	GROUP <del>1614</del> 1649

U.S. PATENT DOCUMENTS							
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	AO						No
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
Ad	AR	57	Tateishi, J., et al., "Strain-differences in dogs for neurotoxicity of clioquinol," <i>Lancet</i> 1:1289-1290, Lancet Press (1972).
Ad	AS	57	Tateishi, J., et al., "Myeloneuropathy in dogs induced by iodoxyquinoline," <i>Neurology</i> 22:702-709, Lippincott, Williams & Wilkins (1972).
Ad	AT	57	Tateishi, J., et al., "Autoradiographic Distribution of <sup>131</sup> I-Clioquinol in Canine and Feline," <i>Folia Psychiatrica et Neurologica Japonica</i> 26:159-164, Japanese Society of Psychiatry and Neurology (1972).

EXAMINER Ad A. D. S.	DATE CONSIDERED 9/25/00
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449  <b>INFORMATION DISCLOSURE STATEMENT</b>				ATTY. DOCKET NO. 0609.4810002/TJS/FRC		APPLICATION NO. 10/643,226	
				APPLICANT Bush et al.			
				FILING DATE August 19, 2003		GROUP <del>1614</del> 1645	
<b>U.S. PATENT DOCUMENTS</b>							
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
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	AO						Yes
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	AP						Yes
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<b>OTHER (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
AD	AR	58	Tateishi, J., et al., "Experimental Myelo-optic Neuropathy Induced by Clioquinol," <i>Acta neuropath. (Berl.)</i> 24:304-320, Springer Verlag (1973).				
AD	AS	58	Tateishi, J., et al., "Neurotoxicity of Clioquinol. Part III: Autoradiographic Distribution of Radioactive Clioquinol in Several Species of Animals," <i>Psychiat. Neurol. Jap.</i> 75:187-196, Nihon Seishin Shinkei Gakkai (1973).				
AD	AT	58	Tateishi, J., et al., "Neurotoxicity of Clioquinol in Laboratory Animals," <i>Lancet</i> 2:1095, Lancet Press (1972).				
EXAMINER 49 <i>A. Dan</i>					DATE CONSIDERED 9/27/06		
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.							

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT				ATTY. DOCKET NO. 0609.4810002/TJS/FRC		APPLICATION NO. 10/643,226	
				APPLICANT Bush et al.			
				FILING DATE August 19, 2003		GROUP 1649	
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
AD	AR	59	Teller, J.K., et al., "Presence of soluble amyloid $\beta$ -peptide precedes amyloid plaque formation in Down's Syndrome," Nature Med. 2:93-95, Nature Publishing Co. (January 1996).				
AD	AS	59	Terhune, M.W., and Sandstead, H.H., "Decreased RNA Polymerase Activity in Mammalian Zinc Deficiency," Science 177:68-69, American Association for the Advancement of Science (1972).				
AD	AT	59	Terry, R.D., et al., "Physical Basis of Cognitive Alterations in Alzheimer's Disease: Synapse Loss Is the Major Correlate of Cognitive Impairment," Ann. Neurol. 30:572-580, Wiley-Liss (1991).				
EXAMINER					DATE CONSIDERED		
AD - A. Dub					9/28/06		
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.							

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT				ATTY. DOCKET NO. 0609.4810002/TJS/FRC		APPLICATION NO. 10/643,226	
				APPLICANT Bush et al.			
				FILING DATE August 19, 2003		GROUP 1649	
U.S. PATENT DOCUMENTS							
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
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	AO						Yes
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	AP						Yes
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
A9	AR	60	Thomas, T., et al., " $\beta$ -Amyloid-mediated vasoactivity and vascular endothelial damage," Nature 380:168-171, Nature Publishing Co. (March 1996).				
A0	AS	60	Tomiyama, T., et al., "Rifampicin Prevents the Aggregation and Neurotoxicity of Amyloid $\beta$ Protein In Vitro," Biochem. Biophys. Res. Comm. 204:76-83, Academic Press (1994).				
A0	AT	60	Tomiyama, T., et al., "Inhibition of Amyloid $\beta$ Protein Aggregation and Neurotoxicity by Rifampicin," J. Biol. Chem. 271:6839-6844, American Society for Biochemistry and Molecular Biology (March 1996).				
EXAMINER					DATE CONSIDERED		
A0 <i>A. Bush</i>					9/27/06		
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.							

FORM PTO-1449  <b>INFORMATION DISCLOSURE STATEMENT</b>				ATTY. DOCKET NO. 0609.4810002/TJS/FRC		APPLICATION NO. 10/643,226	
				APPLICANT Bush et al.			
				FILING DATE August 19, 2003		GROUP <del>1614</del> 1649	
<b>U.S. PATENT DOCUMENTS</b>							
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No
<b>OTHER (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
AD	AR	61	Thompson; C.M., et al., "Regional Brain Trace-Element Studies in Alzheimer's Disease," <i>NeuroToxicol.</i> 9:1-7, Pathotox Publishers (1988).				
AD	AS	61	Tomski, S.J., and Murphy, R.M., "Kinetics of Aggregation of Synthetic $\beta$ -Amyloid Peptide," <i>Arch. Biochem. Biophys.</i> 294:630-638, Academic Press (1992).				
AD	AT	61	Treuhaft, P.S., and McCarty, D.J., "Synovial Fluid pH, lactate, Oxygen and Carbon Dioxide Partial Pressure in Various Joint Diseases," <i>Arth. Rheum.</i> 14:475-484, EBM Erdmann-Brenger (1971).				
EXAMINER <div style="text-align: center;">AD <i>A. J. Jones</i></div>					DATE CONSIDERED <div style="text-align: center;">9/25/06</div>		
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.							

FORM PTO-1449  <b>INFORMATION DISCLOSURE STATEMENT</b>				ATTY. DOCKET NO. 0609.4810002/TJS/FRC		APPLICATION NO. 10/643,226	
				APPLICANT Bush et al.			
				FILING DATE August 19, 2003		GROUP <del>2634</del> 1649	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes
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	AM						Yes
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	AO						Yes
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	AP						Yes
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<b>OTHER (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
AD	AR	62	Uchida, K., and Kawakishi, S., "Identification of Oxidized Histidine Generated at the Active Site of Cu,Zn-Superoxide Dismutase Exposed to H <sub>2</sub> O <sub>2</sub> . Selective Generation Of 2-Oxo-Histidine At The Histidine 118," J. Biol. Chem. 269:2405-2410, American Society for Biochemistry and Molecular Biology (1994).				
AD	AS	62	Van Nostrand, W.E, "Zinc (II) Selectively Enhances the Inhibition of Coagulation Factor XIa by Protease Nexin-2/Amyloid $\beta$ -Protein Precursor," Thrombosis Res. 78:43-53, Pergamon Press (1995).				
AD	AT	62	Warren, P.J., et al., "The Distribution of Copper in Human Brain," Brain 83:709-717, Oxford University Press (1960).				
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AD <i>J. Bush</i>					9/25/03		
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.							

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INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.  
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## U.S. PATENT DOCUMENTS

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AD	AR	63	Weismann, K., and Knudsen, L., "Effects of Penicillamine and Hydroxyquinoline on Absorption of Orally Ingested <sup>65</sup> Zinc in the Rat," J. Invest. Dermatol. 71:242-244, Blackwell Science (1978).
AD	AS	63	Wolozin, B., et al., "Participation of presenilin 2 in Apoptosis: Enhanced Basal Activity Conferred by an Alzheimer Mutation," Science 274:1710-1713, American Association for the Advancement of Science (December 1996).
AD	AT	63	Wood, S.J., et al., "Physical, Morphological and Functional Differences between pH 5.8 and 7.4 Aggregates of the Alzheimer's Amyloid Peptide A $\beta$ ," J. Mol. Biol. 256:870-877, Academic Press (March 1996).

EXAMINER

AD - A. J. J.

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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.  
0609.4810002/TJS/FRCAPPLICATION NO.  
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## U.S. PATENT DOCUMENTS

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	AN						No
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	AO						No
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	AP						No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AD	AR	64	Yankner, B.A., et al., "Neurotrophic and Neurotoxic Effects of Amyloid $\beta$ Protein: Reversal by Tachykinin Neuropeptides," <i>Science</i> 250:279-282, American Association for the Advancement of Science (1990).
AD	AS	64	Yates, C.M., et al., "Enzyme Activities in Relation to pH and Lactate in Postmortem Brain in Alzheimer-Type and Other Dementias," <i>J. Neurochem.</i> 55:1624-1630, Blackwell Science (1990).
AD	AT	64	Yim, M.B., et al., "A gain-of-function of an amyotrophic lateral sclerosis-associated Cu,Zn-superoxide dismutase mutant: An enhancement of free radical formation due to a decrease in $K_m$ for hydrogen peroxide," <i>Proc. Natl. Acad. Sci. USA</i> 93:5709-5714, National Academy of Sciences (June 1996).

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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
	APPLICANT Bush et al.	
	FILING DATE August 19, 2003	GROUP 1614 1649

U.S. PATENT DOCUMENTS							
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	AP						No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
AD	AR	65	Zagorski, M.G., and Barrow, C.J., "NMR Studies of Amyloid $\beta$ -Peptides: Proton Assignments, Secondary Structure, and Mechanism of an $\alpha$ -Helix $\rightarrow$ $\beta$ -Sheet Conversion for a Homologous, 28-Residue, N-Terminal Fragment," <i>Biochemistry</i> 31:5621-5631, American Chemical Society (1992).				
AD	AS	65	Atwood, C.S. et al., "Role of Free Radicals and Metal Ions in the Pathogenesis of Alzheimer's Disease," in <i>Metal Ions in Biological Systems</i> , Sigel, A. and Sigel H., eds., Vol. 36, Ch. 10, Marcel Dekker, Inc., New York, pp. 309-364 (March 1999).				
AD	AT	65	McKeon-O'Mally, C., et al., "Potential Therapeutic Targets for Alzheimer's Disease," <i>Emerging Therapeutic Targets</i> 2:157-179, Ashley Publications Ltd. (February 1998).				
EXAMINER AD [Signature]					DATE CONSIDERED 9/27/06		

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
	APPLICANT Bush et al.	
	FILING DATE August 19, 2003	GROUP 1614 <i>1649</i>

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	AO						No
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	AP						No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
<i>AD</i>	AR	<u>66</u>	International Search Report for PCT/US00/11715, mailed August 30, 2000.
<i>AD</i>	AS	<u>66</u>	Gutierrez-Correa, J. and A.O.M. Stoppani, "Inactivation of heart dihydrolipoamide dehydrogenase by copper Fenton systems. Effect of thiol compounds and metal chelators," <i>Free Rad. Res.</i> 22(3): 239-250, Harwood Academic Publishers GmbH (1995).
<i>AD</i>	AT	<u>66</u>	Lodemann, E., "D-penicillamine. From constituent of penicillin to significant drug," <i>Naturwissenschaften</i> 66(9): 462-466, Springer-Verlag (1979).

EXAMINER	<i>AD</i> <i>A. Duda</i>	DATE CONSIDERED	<i>4/25/06</i>
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 <b>INFORMATION DISCLOSURE STATEMENT</b>	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
	APPLICANT Bush et al.	
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## U.S. PATENT DOCUMENTS

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>67</u>	Sue, Y.-J. et al., "Efficacy of magnesium citrate cathartic in pediatric toxic ingestion," <i>Annals of Emergency Medicine</i> 24(4): 709-712, American College of Emergency Physicians (1994).
AS	AS	<u>67</u>	Cardelli, M.B., et al., "Chelation Therapy: Unproved Modality in the Treatment of Alzheimer-Type Dementia," <i>J. Am. Geriatr. Soc.</i> 33:548-551, American Geriatric Society (1985).
AT	AT	<u>67</u>	Ishii, T., and Bannai, S., "The Synergistic Action of the Copper Chelator Bathocuproine Sulphonate and Cysteine in Enhancing Growth of L1210 Cells In Vitro," <i>J. Cell. Physiol.</i> 125:151-155, Alan R. Liss, Inc. (1985).

EXAMINER <i>AS - A. Durb</i>	DATE CONSIDERED 9/29/06
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
	APPLICANT Bush et al.	
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	AN						No
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	AO						No
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	AP						No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AD	AR	68	Kruck, T.P.A., et al., "Suppression of deferoxamine mesylate treatment-induced side effects by coadministration of isoniazid in a patient with Alzheimer's disease subject to aluminum removal by ionspecific chelation," Clin. Pharmacol. Ther. 48:439-446, Mosby-Year Book, Inc. (1990).
AD	AS	68	Merck & Co., Inc., "Trientine," Entry 9579, The Merck Index: An Encyclopedia of Chemicals, Drugs, and Biologicals, 11 <sup>th</sup> Edition, Budavari, S., et al., eds., Merck & Co., Inc., Rahway, NJ, p. 1521 (1989).
AD	AT	68	Van Reyk, D.M., and Dean, R.T., "The Iron-selective Chelator Desferal Can Reduce Chelated Copper," Free Rad. Res. 24:55-60, Harwood Academic Publishers GmbH (January 1996).

EXAMINER AD - A. Dink	DATE CONSIDERED 9/10/06
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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0609.4810002/TJS/FRC	APPLICATION NO. 10/643,226
	APPLICANT Bush et al.	
	FILING DATE August 19, 2003	GROUP 1614 1649

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
							Yes
	AL						No
							Yes
	AM						No
							Yes
	AN						No
							Yes
	AO						No
							Yes
	AP						No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AD	AR	69	Dialog File 351, Accession Number 8749401, Derwent WPI English language abstract for DE 40 04 978 A1 (Document AL4). 8/22/99
AD.	AS	69	<del>Behl, C., et al., "Hydrogen Peroxide Mediates Amyloid <math>\beta</math> Protein Toxicity," Cell 77:817-827, Cell Press (1994).</del> Repeat
AD	AT	69	Walter, M.F., et al., "Alzheimer's Disease Amyloid $\beta$ Peptide 25-35 Inhibits Lipid Peroxidation as a Result of Its Membrane Interactions," Biochem. Biophys. Res. Commun. 233:760-764, Academic Press (April 1997).
EXAMINER AA <i>A. Smith</i>			
DATE CONSIDERED 9/28/00			

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U.S. PATENT DOCUMENTS							
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	AL						Yes
							No
	AM						Yes
							No
	AN						Yes
							No
	AO						Yes
							No
	AP						Yes
							No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
<span style="font-size: 1.5em;">A9</span>	AR	<u>70</u>	Aisen, P.S., et al., "Randomized pilot study of nimesulide treatment in Alzheimer's disease," <i>Neurology</i> 58:1050-1054, AAN Enterprises, Inc. (April 2002).
<span style="font-size: 1.5em;">A9</span>	AS	<u>70</u>	Rösler, M., et al., "Free radicals in Alzheimer's dementia: currently available therapeutic strategies," <i>J. Neural Transm. [Suppl.]</i> 54:211-219, Springer-Verlag (1998).
	AT		

EXAMINER <span style="font-size: 1.5em; margin-left: 20px;">A9 - A. Duv</span>	DATE CONSIDERED <span style="font-size: 1.5em; margin-left: 20px;">9/28/06</span>
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